

Amended patent claims

1. A security paper for producing documents of value, ^{112/2} such as bank notes, passports, ID cards ^{112/2} or the like, which is provided at least partly with a coating ensuring longer fitness for circulation, characterized in that the coating is provided at least on one of the surfaces of the security paper and the coating consists of a composition containing only a binder and no fillers or polyurethane.

2. A security paper according to claim 1, characterized in that the composition is present on the security paper in a coating weight of 1 to 6 g/m², ^{112/2} preferably 2 to 3 g/m².

3. A security paper according to claim ~~1 or 2~~, characterized in that the composition contains acrylates or a mixture of polymers or copolymers with a high acrylate content as a binder.

4. A security paper according to ~~at least one of claims 1 to 3~~, characterized in that the composition contains a low concentration of at least one substance with a visually and/or ^{machine} ~~mechanically~~ detectable property.

5. A security paper according to claim 4, characterized in that the substance has luminescent, magnetic, electroconductive, diffractive, light-interfering or light-polarizing properties.

6. A security paper according to claim ~~4 or 5~~, characterized in that the substance or substances are provided in the coating only partly, ^{112/2} preferably in the form of a pattern.

7. A security paper according to ~~at least one of claims 1 to 6~~, characterized in that the security paper consists of fibers of annual plants, in ^{112/2} particular cotton fibers.

8. A security paper according to ~~at least one of claims 1 to 7~~, characterized in that the security paper consists at least partly of plastic fibers, ^{112/2} preferably polyamide fibers.

9. A security paper according to ~~at least one of claims 1 to 8~~, characterized in that the security paper is an unsized paper.

10. A security paper according to ~~at least one of claims 1 to 9~~^{11/2/2}, characterized in that the coating is applied to the security paper only in certain areas and the coating-free areas are printed with an ink containing special-effect pigments.

11. A document of value, ~~such as a bank note, check, ID card or the like~~^{11/2/2}, characterized in that the document of value has a security paper according to ~~at least one of claims 1 to 10~~.

12. A document of value, ~~such as a bank note, check, ID card or the like~~^{11/2/2}, characterized in that the document of value has a security paper provided at least partly with a coating ensuring longer fitness for circulation, the coating being provided at least on one of the surfaces of the security paper, and the coating consists of a composition containing only a binder and no fillers, the security paper having over the coating a print which is in turn covered by a coating, ~~e.g. a lacquer layer~~^{11/2/2}.

13. A method for producing a security paper according to ~~at least one of claims 1 to 10~~, characterized in that a paper layer is produced in a paper machine and subsequently a coating applied at least partly to at least one of the surfaces of the paper, the coating consisting of a composition containing only a binder and no fillers or polyurethane.

14. A method according to claim 13, characterized in that the paper is sized before application of the coating.

15. A method according to claim 13 ~~or 14~~, characterized in that the coating is printed on.

16. A method according to ~~at least one of claims 13 to 15~~, characterized in that the coating is applied in a plurality of steps.

17. A method according to claim 16, characterized in that a composition containing small amounts of at least one substance with at least one visually and/or ~~mechanically~~^{machine} detectable physical property is applied in the form of a pattern in a first step, and the remaining part of the surface of the paper is provided with the same composition without the detectable substance in register with the pattern in a second step.